

INTERNATIONAL SEARCH REPORT

ational Application No

/US2005/001269

A. CLASSIFICATION OF SUBJECT MATTER
C09J163/08 H01L33/00 H01L21/58

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 6 051 652 A (KAWATE ET AL) 18 April 2000 (2000-04-18) | 1-3,5,8 |
| Y | column 2, line 26 - column 3, line 28 column 3, line 44 - column 6, line 61 ----- | 4,6,7, 9-11 |
| X | US 6 309 502 B1 (HIROSHIGE YUJI ET AL) 30 October 2001 (2001-10-30) | 1 |
| A | column 3, line 60 - column 10, line 55 ----- | 2-11 |
| X | US 5 362 421 A (KROPP ET AL) 8 November 1994 (1994-11-08) | 1 |
| A | column 3, line 58 - column 10, line 13 ----- -/-- | 2-11 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

13 January 2006

Date of mailing of the international search report

24/01/2006

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Krause, J

INTERNATIONAL SEARCH REPORT

International Application No
/US2005/001269

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|--------------------------|
| Y A | PATENT ABSTRACTS OF JAPAN vol. 011, no. 369 (C-461), 2 December 1987 (1987-12-02) & JP 62 141083 A (SONY CHEM KK), 24 June 1987 (1987-06-24) abstract | 4,7 1-3,5,6, 8 |
| Y A | ----- US 2003/026979 A1 (NAKASUGA AKIRA ET AL) 6 February 2003 (2003-02-06) paragraph '0017! - paragraph '0111! | 6 1-5,7-11 |
| Y A | ----- PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15, 6 April 2001 (2001-04-06) -& JP 2000 353828 A (STANLEY ELECTRIC CO LTD), 19 December 2000 (2000-12-19) cited in the application abstract | 9-11 1-8 |
| A | ----- WO 00/06661 A (MINNESOTA MINING AND MANUFACTURING COMPANY) 10 February 2000 (2000-02-10) page 4, line 10 - page 14, line 29 ----- | 1-11 |

INTERNATIONAL SEARCH REPORT

International Application No

/US2005/001269

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|---|----|---------------------|----------------------------|--------------|---------------------|
| US 6051652 | A | 18-04-2000 | NONE | | |
| US 6309502 | B1 | 30-10-2001 | NONE | | |
| US 5362421 | A | 08-11-1994 | CA | 2162882 A1 | 22-12-1994 |
| | | | CN | 1128040 A | 31-07-1996 |
| | | | DE | 69411740 D1 | 20-08-1998 |
| | | | DE | 69411740 T2 | 08-04-1999 |
| | | | EP | 0703951 A1 | 03-04-1996 |
| | | | JP | 3652698 B2 | 25-05-2005 |
| | | | JP | 8511570 T | 03-12-1996 |
| | | | SG | 46676 A1 | 20-02-1998 |
| | | | WO | 9429397 A1 | 22-12-1994 |
| JP 62141083 | A | 24-06-1987 | JP | 7065023 B | 12-07-1995 |
| US 2003026979 | A1 | 06-02-2003 | NONE | | |
| JP 2000353828 | A | 19-12-2000 | JP | 3449538 B2 | 22-09-2003 |
| WO 0006661 | A | 10-02-2000 | BR | 9912488 A | 17-04-2001 |
| | | | CN | 1317039 A | 10-10-2001 |
| | | | EP | 1117747 A1 | 25-07-2001 |
| | | | JP | 2000053934 A | 22-02-2000 |